

IN THE CLAIMS

Please make the following claim substitutions:

- 1 1. (Currently amended) A method for configuring a portable and/or mobile host that
2 powers up in a foreign network to connect to the Internet, comprising the steps of
3 creating a bootstrapping agent that works cooperatively with a ~~M-IP~~ Mobile IP
4 home agent to allocate a temporary home address to said portable and/or mobile host,
5 using the ~~M-IP~~ Mobile IP protocol to contact said ~~M-IP~~ Mobile IP home agent and
6 request said bootstrapping agent to allocate said temporary home address to said
7 portable and/or mobile host, and
8 using said temporary home address to create a temporary tunnel between a
9 foreign agent associated with said portable and/or mobile host and said ~~M-IP~~ Mobile IP
10 home agent, wherein said temporary tunnel is used to communicate configuration
11 information including a permanent home address allocated by the DHCP protocol for
12 said portable and/or mobile host to connect to the Internet.
- 1 2. (Original) The method of claim 1 wherein said foreign agent is co-located with said
2 mobile host.
- 1 3. (Original) The method of claim 1 wherein said foreign agent is located on a device
2 that is external to said mobile host and resides in said foreign network.
- 1 4. (Original) The method of claim 1 wherein said bootstrapping agent is arranged to
2 assign IP addresses from an address pool of private addresses.
- 1 5. (Previously presented) The method of claim 4 wherein said private addresses are in
2 the format 10.*.
- 1 6. (Original) The method of claim 1 wherein said bootstrapping agent is arranged to
2 assign IP addresses from an address pool of public addresses.
- 1 7. (Original) The method of claim 1 wherein a DHCP client located on said portable
2 and/or mobile host is used to generate messages requesting said configuration
3 information from a DHCP server via said temporary tunnel.

1 8. (Original) The method of claim 7 wherein said messages generated by said DHCP
2 client are modified at said portable and/or mobile host to have a format consistent with a
3 DHCP relay.

1 9. (Original) A method for enabling a mobile host without an IP home address to
2 connect to the Internet when powering up in a foreign network, comprising the steps of
3 obtaining a temporary IP home address for said mobile host from an IP address
4 source accessible through a mobile IP home agent,
5 establishing a transient tunnel between said mobile IP home agent and a mobile
6 IP foreign agent associated with said mobile host while in said foreign network, using
7 said temporary IP home address,
8 acquiring, via said transient tunnel, configuration parameters including a
9 permanent IP home address from a DHCP server in the home network of said mobile
10 host,
11 replacing said transient tunnel with a new tunnel between said mobile IP home agent
12 and said mobile IP foreign agent using said permanent IP home address.

1 10. (Currently amended) A method for enabling configuration of a portable host device
2 that powers up in a foreign network to communicate using the Internet, said method
3 comprising the steps of
4 communicating a temporary home address to said portable host device from a
5 bootstrapping agent operating cooperatively with a mobile IP home agent that serves
6 said portable host device when it operates in said foreign network,
7 establishing a transient bidirectional communication link between said portable
8 host device and said mobile IP home agent using the ~~M-IP~~ Mobile IP protocol and said
9 temporary home address, and
10 obtaining a permanent address from a DHCP server via said transient bidirectional
11 communication link, wherein said permanent address is used thereafter to configure
12 said portable host to communicate with the Internet.

1 11. (Original) The method defined in claim 10 wherein additional configuration
2 parameters are provided to said portable host device via said transient bidirectional
3 communication link.

1 12. (Currently amended) In a mobile telecommunications system in which a portable
2 and/or mobile host device can operate in a home network that includes a home agent or
3 in a foreign network that includes a foreign agent, a method for configuring said portable
4 and/or mobile host when it powers up in said foreign network, said method comprising
5 the steps of

6 using the ~~M-IP~~ Mobile IP protocol in said portable and/or mobile host as the
7 signaling mechanism for reaching said home network and dynamically allocating a
8 temporary home address; and

9 thereafter using DHCP with the temporary home address to allocate a permanent
10 home address and other configuration state for said portable and/or mobile host.

1 13. (Original) A method for configuring a mobile host that powers up in a foreign
2 network, comprising the steps of

3 setting up a temporary IP tunnel via the Mobile IP protocol to connect said mobile
4 host to its home network,

5 using an IP broadcasting protocol over said temporary IP tunnel so that said
6 mobile host can discover a DHCP addressing server in its home network, and

7 using the DHCP protocol to communicate addressing and configuration information
8 between said addressing server and said mobile host.

1 14. (Previously presented) In a system arranged to use an IP tunnel to relay via the
2 Internet communication packets that are destined to a mobile host from a home server
3 in said host's home network to a foreign server when said host is in a foreign network,
4 wherein the establishment of said IP tunnel requires said home server and foreign
5 server to know the IP home address of said mobile host, a method for configuring said
6 mobile host when it powers up in said foreign network without said IP home address,
7 comprising the steps of

8 obtaining a temporary IP home address for said mobile host from an IP address
9 source accessible through said home server,
10 establishing a transient tunnel between said home server and said foreign server
11 using said temporary IP home address,
12 acquiring, via said transient tunnel, permanent configuration parameters
13 including a permanent IP home address from a DHCP server in a region served by said
14 home server,
15 replacing said transient tunnel with a new tunnel between said home server and
16 said foreign server using said permanent IP home address.